aqueous solvent and said aqueous solvent comprises less than about 2% of an organic solvent.

50. (Newly Added Claim) The process of Claim 1, wherein said process is conducted in an aqueous solvent and said aqueous solvent comprises less than about 1% of an organic solvent.

51. (Newly Added Claim) The process of Claim 1, wherein said treating said lysed cell mixture of step (b) is conducted without drying said cell mixture prior to the extraction process.

52. (Newly Added Claim) The process of Claim 1, wherein said process is a solventless extraction process.

53. (Newly Added Claim) The process of Claim 1, wherein said process is conducted on microorganisms in a microbial biomass comprising at least about 10% by weight entrained water.

54. (Newly Added Claim) The process of Claim 1, wherein said process is conducted on microorganisms in a microbial biomass comprising at least about 20% by weight entrained water.

55. (Newly Added Claim) The process of Claim 1, wherein said process is conducted on microorganisms in a microbial biomass comprising at least about 30% by weight entrained water.

56. (Newly Added Claim) The process of Claim 1, wherein said process is conducted on microorganisms in a microbial biomass comprising at least about 50% by weight entrained water.

57. (Newly Added Claim) A process for recovering lipids from microorganisms comprising the steps:

a. growing said microorganisms in a fermentation broth comprising less than about 5% of an organic solvent, wherein said microorganisms comprise at least about 10% by weight entrained water;

b. solubilizing at least part of proteinaceous compounds in said fermentation broth;

c. treating microorganism cells from said fermentation broth without drying said cells to release intracellular lipids;

d. subjecting the fermentation broth containing the released intracellular lipids to gravity separation to form a light lipid-containing phase and a heavy phase;

e. separating said light phase from said heavy phase;

f. treating said light phase to break an emulsion formed between said lipid and water; and

g. recovering a crude lipid.